

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 59021541  
PUBLICATION DATE : 03-02-84

APPLICATION DATE : 27-07-82  
APPLICATION NUMBER : 57129607

APPLICANT : SHIKAMATA KATSUO;

INVENTOR : SHIKAMATA KATSUO;

INT.CL. : C03C 17/32 C08J 7/04 // C03C 27/06

TITLE : ANTI-CLOUDING TREATMENT OF INORGANIC AND ORGANIC PLATE GLASS AND MIRROR

ABSTRACT : PURPOSE: To prevent glass or a mirror from being clouded by a temp. change over a long term, by directly coating the glass or mirror with a resin having hydroxyl groups and by baking and solidifying the resin to form a transparent film.

CONSTITUTION: The surface of plate glass or a mirror is degreased with a detergent or the like, coated with a soln., and air-dried until the coated surface is smoothened. The soln. is prepared by diluting polyvinyl alcohol to 1~10% concn., dissolving it perfectly, mixing 1~3C lower alcohol by 10~30% so as to accelerate evaporation, and blending a small amount of a curing agent after dissolving the alcohol perfectly. The coated surface is then dried with hot air at 100~160°C, and the resulting film is solidified by cross-linking under heating to form a transparent thin film producing an anti-clouding effect on the surface of the glass or mirror without causing distortion. Since the film has hydroxyl groups, it has a great affinity for water and produces a remarkable anti-clouding effect. The resin surface is cured by baking, so the effect can be sustained over a long term.

COPYRIGHT: (C)1984,JPO&Japio

1, 2, 4, 5